SEP 2 3 7005 2014

Replacement Sheet

Method and Apparatus for Viewer-Specific Presentation of Information John M. Crawford, Jr. Application No. 09/671,431

10

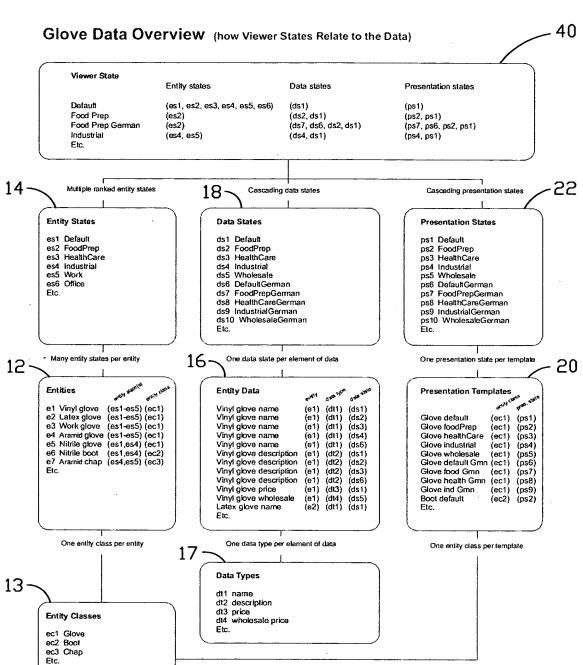


Figure 1

Method and Apparatus for Viewer-Specific Presentation of Information John M. Crawford, Jr.
Application No. 09/671,431

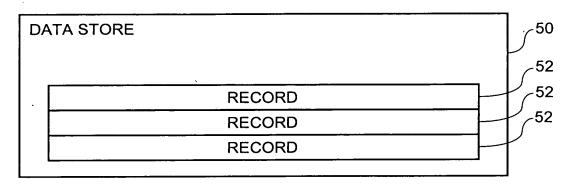


Figure 2

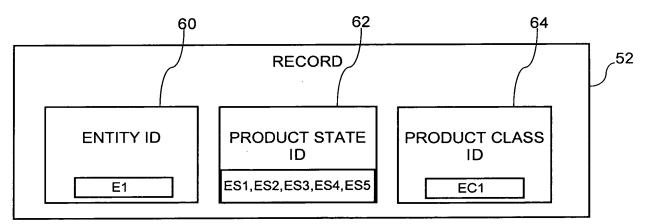


Figure 3

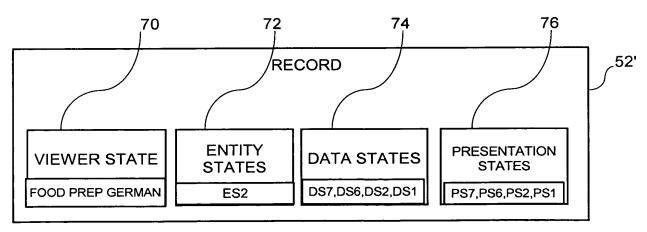


Figure 4

Glove Data Example (how information is created for the FoodPrepGerman viewer state)

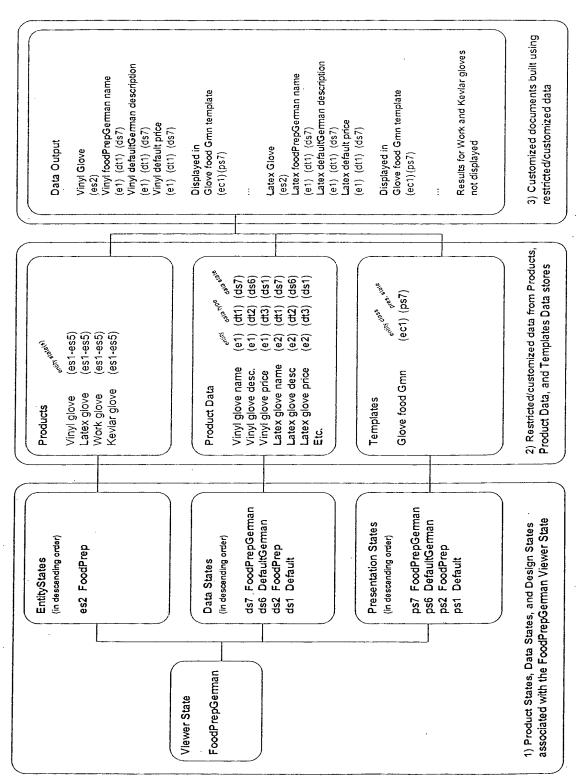
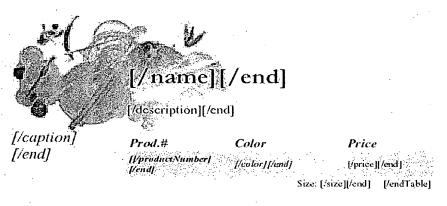


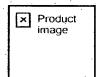
Figure 5

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[/note][/end] ([/productNumber][/end])







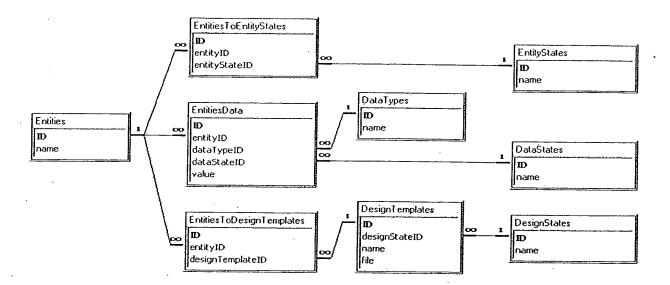


FIGURE 7

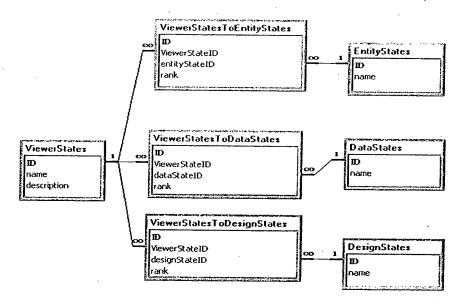


FIGURE 8

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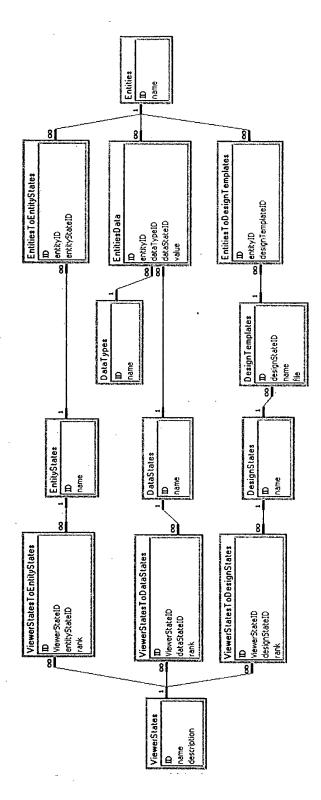


Figure 9

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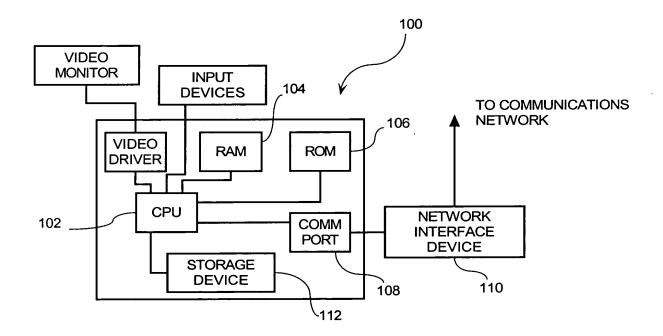


FIGURE 10

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Data Display Steps (how the system creates a document describing a specific entity)

eation	
ũ	
State	
Viewer	

Viewer state is created, assigning to the

Viewer state is assigned to current viewer thereby linking viewer to the collection of

2) Viewer State Selection

using logic external to the system.

entity states, data states, and presentation states associated with the

viewer state.

Viewer state can be known ahead of time, such as with a known customer

- Ranked entity states
 Cascading data states
 Cascading presentation states
- Viewer state is either created ahead of time by system administrator, or dynamically by logic external to the

can be chosen by the viewer during the viewing process, our could be determined given viewer demographics purchase histories, etc.

3) Viewer Document Request

Viewer requests a a document on a specific entity from a list of entity documents created during the data search portion of system operaion. See the related "Data Search Steps" flow chart for more information on how data searches are performed.

Base Conditions Creation

System examines the viewer's viewer state and creates a means of extracting all related data from Entities and EntitiesData data storce.

The product of this stap is a subset of data from the data stores where:

1) Elements of data related to the specified entity are selected from the EntitiesData data store related to each entity. The most appropriate data element for each dataType for each Entity will be selected according to the cascading data states associated with the viewerState.

The result is a data set, or a query that defines a data set, where the most appropriate data describing the entity has been found.

5) Template Selection

An output template is selected from the according to the cascading PresentationStates associated with the Presentation Templates data store

/iewerState

6) Document Creation

The output document created in the previous step is displayed to the viewer.

A document is created from the selected Presentation Templats.

template locating tags that specify which DataTypes will be displayed. When a tag is found, the system examines the result set from the Base Conditions Creation step, and if data is found for that data type, inserts the data into the

The system searches through the

The process continues until all tags have been examined.

document.

7) Display Document

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Data Search Steps (how the system returns a list of entities in response to a viewer query)

1) Viewer State Creation

Viewer state is created, assigning to the state:

- Ranked entity states
 Cascading data states
 Cascading presentation states

Viewer state is either created ahead of time by system administrator, or dynamically by logic external to the

2) Viewer State Selection

Viewer state is assigned to current viewer thereby linking viewer to the collection of presentation states associated with the using logic external to the system, entity states, data states, and viewer state.

viewing process, our could be determined can be chosen by the viewer during the given viewer demographics purchase histories, etc. Viewer state can be known ahead of time, such as with a known customer,

3) Viewer Information Request

Viewer requests a list of one or more entities from the system.

This request could eiher be for all entities of interest to the viewer (as determined by the viewer states), or be for a subset parameters, e.g., gloves available in the color red. of entities as determined by search

4) Base Conditions Creation

System examines the viewer's viewer state and creates a means of extracting all related data from Enitities and EnititiesData data stores.

The product of this step is a subset of data from the data stores where: 1) Entities are restricted to the entities related to the entityStates associated with the viewerState.

2) Entties are ranked according to the order of the entityStates assoicated with the viewerState.

selected from the EntitiesData data store related to each entity. The most appropriate data element for according to the cascading data states associated with the viewerState. 3) Elements of data related to each entity are selected from the EntitiesData data store related each dataType for each Entity will be selected

The resule is a data set, or a query that defines a data set, where entities and data describing enties has been ranked and/or restricted according to conditions set up in the viewerState.

5) Search

If the user does not specify any search criteria, this step is skipped. If the user does specify search criteria, these criteria are then applied to the base conditions result set generated in the previous step. Searches are therefore not performed against raw data, but are performed against result sets that have already been customized to the viewer state.

When working with a SQL database, the base conditions result set may exist as a query instead of a true result set. Searches will then be performed against When working with other data storage mechanisms, true result set generation may be required in tetthe previous step. the query.

Display results

A list of entities is displayed to the viewer for examination and selection.

Individual documents describing entities are presented only after a specific entity has been selected.

See the related "Data Display Steps" flow chart.

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General vinyl food gloves

Great allpurpose disposable glove Great for most general purpose sanitary food handling work, these gloves are constructed from a sturdy 4 mil vinyl. Ideal for any situation that demands a fast-on fast-off disposable glove.

Prod.#

Color

Price

Size: Larg

Reversable ambidextrous gloves fit either right or left hands (112003)





audio



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Séhr guter, universeller Einweghandschuh



Universell eincusetzender Vinyl Handschuh

Dieser zweiteilige: beidseitig zu tragender, gemüsterte füselfrete Handshuh ist 9' lang. Strapazierfachiger als Baumwolle Taeuft beim Waschen nicht ein Mehrfacher Gebrauch Handschuh wird meist in der Pharma und Electro lindustrie eingesetzt

Art`-Nr

Farbe

Preis

112003

Groesse: Large

Strapazierfachiger als Baumwölle laeuft beim Waschen nicht ein Mehrfacher Gebrauch (1.12003)



<u>aúdio</u>



Method and Apparatus for Viewer-Specific Presentation of Information John M. Crawford, Jr. Application No. 09/671,431



Vinyl barrier gloves

Great all-purpose disposable glove

Useful for biohazard protection where tactile response is not essential, these gloves are constructed from a sturdy 4 mil vinyl. Ideal for any situation that demands a fast-on fast-off disposable glove.

Prod.#	Color	Price
112003	Color natural	\$8.40

Reversable ambidextrous gloves fit either right or left hands (112003)



